

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A dynamic bandwidth assignment system including a network unit ~~for carrying~~ configured to carry out cell slot assignment, and a network termination ~~for transmitting~~ unit configured to transmit cells to the network unit by ~~means of~~ cell slots assigned by the network unit, said network unit comprising:

a ~~detecting section for detecting~~ detection unit configured to detect ~~a number of~~ valid cells and idle cells said network unit receives from said network termination unit;

a decision ~~section for outputting~~ unit configured to output a decision result ~~in accordance with the number of valid cells on a cell slot assignment to the network termination unit based on the detection results by said detection unit; and~~

a cell slot assignment ~~section for controlling~~ unit configured to control the cell slot assignment to the network termination unit in response to the decision result of said decision ~~section~~ unit.

Claim 2 (Currently Amended): The dynamic bandwidth assignment system according to claim 1, wherein said decision ~~section supplies its~~ unit is configured to supply the decision result to said cell slot assignment ~~section~~ unit when a number of consecutive valid cells said network unit receives from said network termination unit exceeds a first predetermined threshold value, and wherein said cell slot assignment ~~section increases~~ unit is configured to increase the number of the cell slots to be assigned to said network termination unit in response to the decision result.

Claim 3 (Currently Amended): The dynamic bandwidth assignment system according to claim 1, wherein said decision ~~section supplies its~~ unit is configured to supply the decision

result to said cell slot assignment ~~section~~ unit when a number of valid cells said network unit receives from said network termination unit in a decision period becomes less than a second predetermined threshold value, and wherein said cell slot assignment ~~section~~ reduces unit is configured to reduce a number of the cell slots to be assigned to said network termination unit in response to the decision result.

Claim 4 (Currently Amended): The dynamic bandwidth assignment system according to claim 1, wherein said decision ~~section~~ supplies its unit is configured to supply the decision result to said cell slot assignment ~~section~~ unit when a number of valid cells said network unit receives from said network termination unit in a decision period exceeds a first predetermined threshold value, and wherein said cell slot assignment ~~section~~ increases unit is configured to increase a number of the cell slots to be assigned to said network termination unit in response to the decision result.

Claim 5 (Currently Amended): The dynamic bandwidth assignment system according to claim 2, wherein said decision ~~section~~ determines unit is configured to determine the first threshold value in accordance with the total number of cells said network unit receives from said network termination unit in ~~[[the]]~~ a decision period.

Claim 6 (Currently Amended): The dynamic bandwidth assignment system according to claim 3, wherein said decision ~~section~~ determines unit is configured to determine the second threshold value in accordance with the total number of cells said network unit receives from said network termination unit in the decision period.

Claim 7 (Currently Amended): The dynamic bandwidth assignment system according to claim 4, wherein said decision ~~section determines~~ unit is configured to determine the first threshold value in accordance with the total number of cells said network unit receives from said network termination unit in the decision period.

Claim 8 (Currently Amended): A dynamic bandwidth assignment method in a network unit comprising ~~the steps of:~~

detecting valid cells and idle cells said network unit receives from a network termination;

producing a decision result in accordance with a number of valid cells said network unit receives from a network termination on a cell slot assignment to the network termination unit based on the detection result; and

controlling cell slot assignment to the network termination unit in response to the decision result.

Claim 9 (Currently Amended): The dynamic bandwidth assignment method according to claim 8, wherein when a number of consecutive valid cells said network unit receives from said network termination unit exceeds a first predetermined threshold value, the step of controlling cell slot assignment increases the number of the cell slots to be assigned to said network termination unit in response to the decision result.

Claim 10 (Currently Amended): The dynamic bandwidth assignment method according to claim 8, wherein when a number of the valid cells said network unit receives from said network termination unit becomes less than a second predetermined threshold

value, the step of controlling cell slot assignment decreases the number of the cell slots to be assigned to said network termination unit in response to the decision result.

Claim 11 (Currently Amended): The dynamic bandwidth assignment method according to claim 8, wherein when a number of the valid cells said network unit receives from said network termination unit exceeds a first predetermined threshold value, the step of controlling cell slot assignment increases the number of the cell slots to be assigned to said network termination unit in response to the decision result.

Claim 12 (Currently Amended): The dynamic bandwidth assignment method according to claim 9, wherein the first threshold value is determined in accordance with the total number of cells said network unit receives from said network termination unit in the decision period.

Claim 13 (Currently Amended): The dynamic bandwidth assignment method according to claim 10, wherein the second threshold value is determined in accordance with the total number of cells said network unit receives from said network termination unit in the decision period.

Claim 14 (Currently Amended): The dynamic bandwidth assignment method according to claim 11, wherein the first threshold value is determined in accordance with the total number of cells said network unit receives from said network termination unit in the decision period.